



Trent Jett

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Education

2008-2010 M.S. Wildlife and Fisheries Science, Univ. of Tenn., Knoxville, TN GPA: 4.0

Thesis: "Underwater Observation and Habitat Utilization of Three Rare Darters (*Etheostoma cinereum*, *Percina burtoni*, and *Percina williamsi*) in the Little River, Blount County, Tennessee"

2005-2008 B.S. Wildlife and Fisheries Science, Univ. of Tenn., Knoxville, TN GPA: 3.89

1997-1999 A.A. General, Northwest Florida State College, Niceville, FL GPA: 3.47

Professional Experience

Oct. 2010-Current: Oak Ridge National Laboratory

- Principal Investigator- Fish Communities Task
- Principal Investigator- Aquatic Habitat Restoration
- Oak Ridge Reservation Nature Walk program – Manage and Instruct courses
- PI delegate Sample Coordinator - Ecological Assessment Team
- Boat Technical Coordinator

2006-2010: Fisheries Biologist, Tennessee Valley Authority, Knoxville, TN

- Fish collections and ID for IBI monitoring- May-Aug 2006-2010
- Aquatic insect/fish taxonomy
- Data entry
- Boat and trailer operation

2004-2005: Fisheries Technician Intern, USFWS, Panama City, FL

- Supervise field crews of graduate students/volunteers collecting stream habitat data
- Assist in IBI development for Eglin Air Force Base
- Fish collections and ID in lab for IBI
- Data entry/analysis
- Endangered species population survey for recovery plan (Okaloosa darter)

Other Work Experience

2007-2010 Fish/insect index of biotic integrity (IBI) work, University of Tennessee

2007 Bat surveys at Oak Ridge wind farm, Tennessee Valley Authority

2007-2009 Fish collection and VIE tagging of darters for reintroduction, University of Tennessee

2007 Taught 4th grade class about fish reintroductions, University of Tennessee

2005-2006 Customer Service, Lowe's, Knoxville, TN

1997-2005 Customer Service, Lowe's, Ft. Walton Beach, FL

Publications

McManamay, R., J. Smith, T. **Jett**, T. Mathews, M. Peterson. 2017. Identifying non-reference sites to guide stream restoration and long-term monitoring. *Science of the Total Environment*. Accepted October 2017.

McManamay, R., T. **Jett**, M. Ryon, M. Peterson, S. Gregory. 2016. Dispersal limitations on fish community recovery following long-term water quality remediation. *Hydrobiologia* 771:45-65.

Smith, J., T. Baker, T. **Jett**, C. Murphy. 2016. Spatial and temporal trends in contaminant concentrations in Hexagenia nymphs following a coal ash spill at the Tennessee Valley Authority's Kingston fossil plant. *Environmental Toxicology and Chemistry* 35:1159-1171.

Roy, K., N. Giffen, M. Wade, A. Haines, J. Evans, T. **Jett**. Oak Ridge Reservation Bird Records and Population Trends. ORNL/TM-2014/109 Oak Ridge, TN: Oak Ridge National Laboratory. 2014.

Mathews, T., A. Fortner, R. **Jett**, J. Morris, J. Gable, M. Peterson, N. Carriker. 2014. Selenium bioaccumulation in fish exposed to coal ash at The Tennessee Valley Authority Kingston spill site. *Environmental Toxicology and Chemistry*. DOI: 10.1002/etc.2673.

Ryon, M., A. Fortner, K. Goins, T. **Jett**, K. McCracken, G. Morris, A. Riazzi, K. Roy. Technique for Rapid Establishment of American Lotus in Remediation Efforts. *Native Plants Journal* 14, no 1, 33-38, (2013).

Looney, B., L. Bryan, T. Mathews, M. Peterson, K. Roy, T. **Jett**, J. Smith. Interim Results from a Study of the Impacts of Tin (II) Based Mercury Treatment in a Small Stream Ecosystem: Tims Branch, Savannah River Site. ORNL/TM-2012/190. Oak Ridge, TN: Oak Ridge National Laboratory. 2012.

Presentations

Mathews, T., T. **Jett**, B. Pracheil, M. Jones, C. Miller, M. Peterson. 2015. Evaluating fisheries responses to remediation in a mercury-contaminated stream using mark recapture techniques. Society of Toxicology and Chemistry meeting.

Jones, M., M. Poteat, J. Morris, T. **Jett**, J. Smith, M. Peterson, T. Mathews. 2015. The effects of food web complexity on mercury bioaccumulation in upper trophic level fish. Southern Division American Fisheries Society Meeting.

Jones, M., M. Poteat, J. Morris, T. **Jett**, J. Smith, M. Peterson, T. Mathews. 2015. The effects of food web complexity on mercury bioaccumulation in upper trophic level fish. Poster presentation at SETAC World Congress meeting. Orlando, FL.

Smith, J., T. Baker, R. **Jett**, May 2014 "Cross-Ecosystem flux of selenium by emerging mayflies downstream of a coal ash spill" presentation at the Society for Freshwater Science annual meeting.

Jett, T., M. Ryon, R. McManamay. Impacts of basin fragmentation on fish community restoration. Southern Division of the American Fisheries Society annual meeting, Charleston, South Carolina, USA, January 22—26, 2014.

Mathews, T., T. **Jett**, E. Burton, M. Peterson. An Examination of the Maximum Recommended Holding Time for Total Mercury in Biological Samples. The International Conference on Mercury as a Global Pollutant (ICMGP), Edinburgh, United Kingdom, July 28-August 02, 2013.

Mathews, T., B. Looney, M. Peterson, G. Southworth, L. Bryan, D. Jackson, J. Smith, J. Seaman, K. Roy, T. **Jett**, G. Mills, D. King. Mercury remediation in stream systems using tin (II) chloride and air stripping.

International Conference on Mercury as a Global Pollutant, Edinburgh, United Kingdom, July 28 — August 02, 2013.

Mathews, T., A. Fortner, **T. Jett**, M. Peterson, N. Carriker. Relationship between selenium body burdens and fillet concentrations in fish exposed to coal ash at the Tennessee Valley Authority Kingston spill site. Society of Environmental Toxicology and Chemistry, Nashville, Tennessee, USA, November 17, 2013.

Jett, R. T., J. L. Wilson, J. G. Henning. 2010. Visual survey and habitat association of three rare darters in the Little River, Blount County, Tennessee. Oral presentation at the Southern Division of the American Fisheries Society annual meeting. 28 Feb 2010, Ashville, NC.

Jett, R., J. Herod, L. Jenkins, and D. LaPlante. 2004. U.S. Fish and Wildlife Service Monitoring and Research Activities Supporting Recreational Fish Management: Investigating Fishery Stocks in Indigo Pond, Eglin Air Force Base. Panama City Field Office, U.S. Fish and Wildlife Service, Panama City, FL. 14 June 2004. Panama City, FL.

Thom, T.A., J.J. Herod and **R.T. Jett**. 2004. Stream Assessment Tools in Action on Eglin Air Force Base, FL. Southeastern Water Pollution Biologists Association Annual Meeting. Nov 2004, Auburn/Opelika, Alabama.

Certifications/Memberships

Tennessee Boating Safety Education Certificate, Mar 2010

SCUBA Certification, SSI June 2008

US Forest Service Wildland Firefighting Red Card Certification, Jan 2007

US Fish and Wildlife Service Principles and Techniques of Electrofishing, Jan 2005

Member, American Fisheries Society – parent and TN chapter

Achievements and Awards

J. Wallace and Katie Dean Graduate Fellowship 2008-2009

President, University of Tennessee Chapter of American Fisheries Society 2007-2008

Senior of the Year, UT College of Ag Science and Natural Resources 2008

University of Tennessee Dean's List, 2005, 2006, 2007, 2008

Member of the National Dean's List – Biography published in *The National Dean's List* 2005-2006

Americorp Education Award for volunteer work, 2004

Volunteer award certificate for 500+ hours of volunteer work with the US Fish and Wildlife Service

National Honors Society member, 1997

Volunteer

Oak Ridge National Laboratory

West High School – Stream sampling techniques 2010-2012

Maryville High School – Stream sampling techniques 2013-2017

University of Tennessee

Crayfish/Salamander surveys

○ Collect crayfish/salamanders on Pigeon River 2008-2010

Fish propagation in captive breeding program

○ Feed and monitor federally threatened fish in UT facilities 2007-2010

- Reservoir sampling in NC Waterville Reservoir
 - Fish tissue collections via gillnets/electrofishing 2007-2009
- Smoky Mountain Field School
 - Taught fish class for public Spring 2007
- Elementary education
 - Taught 4th graders at Briceville Elementary Spring 2007
- Bird Surveys
 - Mist netting for songbirds and Sawhet Owls 2006-2009
- US Fish and Wildlife Service**
- Gulf Sturgeon Project October 2003/November 2004
 - Monitoring using gill nets, sonar tagging/tracking in rivers and Gulf, small boat operation
- US Fish and Wildlife Service**
- Stripped bass October 2004
 - Harvesting and PIT tagging, sampling on Appalachicola River for previously released fish
- GA Department of Natural Resources**
- Stream Survey, IBI Oct 5-7 2004
 - Sampling N. GA streams for IBI work